

Title (en)

FLUORESCENT LIGHT DETECTION DEVICE AND FLUORESCENT LIGHT DETECTION METHOD

Title (de)

FLUORESZENZLICHT-NACHWEISVORRICHTUNG UND -NACHWEISVERFAHREN

Title (fr)

DISPOSITIF DE DÉTECTION DE LUMIÈRE FLUORESCENTE ET PROCÉDÉ DE DÉTECTION DE LUMIÈRE FLUORESCENTE

Publication

EP 2249143 A1 20101110 (EN)

Application

EP 09708278 A 20090204

Priority

- JP 2009000423 W 20090204
- JP 2008027284 A 20080207

Abstract (en)

A fluorescence detection device includes: a flow cell body including a flow channel through which a measurement object flows; a laser light source unit that irradiates, with a laser beam, the measurement object passing through a measurement point in the flow channel; a light-receiving unit that receives fluorescence emitted from the measurement object irradiated with the laser beam and outputs a light-reception signal; and a processing unit that outputs an output value of fluorescence intensity based on the light-reception signal outputted by the light-receiving unit. The flow cell body has a lens provided on a surface thereof so as to traverse an optical path of the laser beam. When the lens is virtually cut along a plane including the measurement point of the measurement object and being perpendicular to a moving direction of the measurement object, the lens has a cross-section constituting a part of a circle of which center is located at the measurement point.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Cited by

EP2950105A1; EP2652481A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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